



Attorney's Docket No.: 08919-075001 /

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Huan-Cheng Chang et al. Art Unit : 2881  
Serial No. : 10/034,459 Examiner : Unknown  
Filed : December 28, 2001  
Title : ION TRAP MASS SPECTROMETER

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: MARCH 28, 2002

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08919-075001	Application No. 10/034,459
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Huan-Cheng Chang et al.	
		Filing Date December 28, 2001	Group Art Unit 2881

### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,383,171	05/10/1983	Sinha et al.	250	282	
	AB	4,540,884	09/10/1985	Stafford et al.	250	282	
	AC	4,749,860	06/07/1988	Kelley et al.	250	282	
	AD	5,170,054	12/08/1992	Franzen	250	292	
	AE	5,270,542	12/14/1993	McMurry et al.	250	288	
	AF	5,382,794	01/17/1995	Downey et al.	250	288	
	AG	5,399,857	03/21/1995	Doroshenko et al.	250	292	
	AH	5,572,025	11/05/1996	Cotter et al.	250	292	
	AI	5,640,010	06/17/1997	Twerenbold	250	281	
	AJ	5,681,752	10/28/1997	Prather	436	173	
	AK	5,696,376	12/09/1997	Doroshenko et al.	250	292	
	AL	5,880,466	03/09/1999	Benner	250	281	
	AM	5,998,215	12/07/1999	Prather et al.	436	173	
	AN	6,040,574	03/21/2000	Jayne et al.	250	288	
	AO	6,157,030	12/05/2000	Sakairi et al.	250	292	
	AP	6,188,065	02/13/2001	Takada et al.	250	288	
	AQ	6,194,716	02/27/2001	Takada et al.	250	292	
	AR	6,316,769	11/13/2001	Takada et al.	250	292	



### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AS							
	AT							
	AU							
	AV							
	AW							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Sheet 2 of 2

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Examiner Initial	Desig. ID	Document
	AX	Dahneke, "Aerosol Beam Spectrometry", <i>Nature Physical Science</i> , 244:54-55 (1973)
	AY	Dahneke and Flachsbar, "An Aerosol Beam Spectrometer", <i>Aerosol Science</i> , 3:345-349 (1972)
	AZ	Gard et al., "Real-Time Analysis of Individual Atmospheric Aerosol Particles: Design and Performance of a Portable ATOFMS", <i>Anal. Chem.</i> , 69:4083-4091 (1997)
	AAA	Kaufman et al., "Macromolecule Analysis Based on Electrophoretic Mobility in Air: Globular Proteins", <i>Anal. Chem.</i> , 68:1895-1904 (1996)
	ABB	March, "An Introduction to Quadrupole Ion Trap Mass Spectrometry", <i>Journal of Mass Spectrometry</i> , 32:351-369 (1997).
	ACC	Salt et al., "Aerodynamic Particle Sizing versus Light Scattering Intensity Measurement as Methods for Real-Time Particle Sizing Coupled with Time-of-Flight Mass Spectrometry", <i>Anal. Chem.</i> , 68:230-234 (1996)
	ADD	Schreiner et al., "Chemical Analysis of Polar Stratospheric Cloud Particles", <i>Science</i> , 283:968-970 (1999)
	AEE	Suess and Prather, "Mass Spectrometry of Aerosols", <i>Chem. Rev.</i> , 99:3007-3035 (1999)
	AFF	Wuerker et al., "Electrodynamic Containment of Charged Particles", <i>Journal of Applied Physics</i> , 30:342-349 (1959)
	AGG	Wuerker et al., "Electrodynamic Containment of Charged Particles by Three-Phase Voltages", received by journal on October 17, 1958

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Substitute Disclosure Form (PTO-1449)